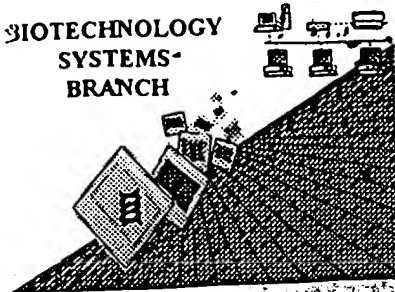


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0590
1015

BIOTECHNOLOGY
SYSTEMS-
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09 955 639
Source: O I P E
Date Processed by STIC: 10/04/01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/955639

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO

- 1 Wrapped Nucleics
 Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering
The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length
Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES)
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(ix) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES)
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
 (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 ✓ Invalid <213>
 Response
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220>
Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/955,639

DATE: 10/04/2001

TIME: 17:27:29

Input Set : A:\SeqList_34506110.txt

Output Set: N:\CRF3\10042001\I955639.raw

3 <110> APPLICANT: Niles, Andrew L
4 Haak-Frendscho, Mary
5 Harris, Jennifer L
6 Craik, Charles S
8 <120> TITLE OF INVENTION: Tryptase Substrates and Assay For Tryptase Activity Using
Same
10 <130> FILE REFERENCE: 34506.xxx
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/955,639
13 <141> CURRENT FILING DATE: 2001-09-19
15 <150> PRIOR APPLICATION NUMBER: 60/244,013
16 <151> PRIOR FILING DATE: 2000-10-27
18 <160> NUMBER OF SEQ ID NOS: 23
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 4
24 <212> TYPE: PRT
25 <213> ORGANISM: Synthetic polypeptide
27 <220> FEATURE:
28 <221> NAME/KEY: MISC_FEATURE
29 <222> LOCATION: (2)..(2)
30 <223> OTHER INFORMATION: Xaa at position 2 is Arg (R) or Lysine (K)
33 <220> FEATURE:
34 <221> NAME/KEY: MISC_FEATURE
35 <222> LOCATION: (3)..(3)
36 <223> OTHER INFORMATION: Xaa at position 3 is any amino acid
39 <220> FEATURE:
40 <221> NAME/KEY: MISC_FEATURE
41 <222> LOCATION: (4)..(4)
42 <223> OTHER INFORMATION: Xaa at position 4 is Arg (R) or Lys (K)
45 <400> SEQUENCE: 1
W--> 47 Pro Xaa Xaa Xaa
48 1
51 <210> SEQ ID NO: 2
52 <211> LENGTH: 4
53 <212> TYPE: PRT
54 <213> ORGANISM: Synthetic polypeptide
56 <400> SEQUENCE: 2
58 Pro Arg Asn Lys
59 1
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 4
64 <212> TYPE: PRT
65 <213> ORGANISM: Synthetic polypeptide
67 <400> SEQUENCE: 3
69 Pro Lys Asn Lys
70 1
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 4

Does Not Comply
Corrected Diskette Needed

Errored: "Artificial Sequence", "Unknown"
and the name of some specific
species are the only appropriate
response to the 213 field

FYI: A 213 response of "Artificial Sequence"
requires a response of for example
"Synthetic Polypeptide"
in field 223.

Errored: Invalid 212 response

Errored: Invalid 213 response

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/955,639

DATE: 10/04/2001

TIME: 17:27:29

Input Set : A:\SeqList_34506110.txt

Output Set: N:\CRF3\10042001\I955639.raw

75 <212> TYPE: PRT
76 <213> ORGANISM: Synthetic polypeptide
78 <400> SEQUENCE: 4
80 Pro Arg Asn Arg
81 1
84 <210> SEQ ID NO: 5
85 <211> LENGTH: 4
86 <212> TYPE: PRT
87 <213> ORGANISM: Synthetic polypeptide
89 <400> SEQUENCE: 5
91 Pro Lys Asn Arg
92 1
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 4
97 <212> TYPE: PRT
98 <213> ORGANISM: Synthetic polypeptide
100 <400> SEQUENCE: 6
102 Pro Ala Asn Lys
103 1
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 4
108 <212> TYPE: PRT
109 <213> ORGANISM: Synthetic polypeptide
111 <400> SEQUENCE: 7
113 Pro Arg Thr Lys
114 1
117 <210> SEQ ID NO: 8
118 <211> LENGTH: 4
119 <212> TYPE: PRT
120 <213> ORGANISM: Synthetic polypeptide
122 <400> SEQUENCE: 8
124 Pro Arg Phe Lys
125 1
128 <210> SEQ ID NO: 9
129 <211> LENGTH: 4
130 <212> TYPE: PRT
131 <213> ORGANISM: Synthetic polypeptide
133 <400> SEQUENCE: 9
135 Thr Arg Leu Arg
136 1
139 <210> SEQ ID NO: 10
140 <211> LENGTH: 4
141 <212> TYPE: PRT
142 <213> ORGANISM: Synthetic polypeptide
144 <400> SEQUENCE: 10
146 Ser Lys Gly Arg
147 1
150 <210> SEQ ID NO: 11
151 <211> LENGTH: 4

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/955,639

DATE: 10/04/2001

TIME: 17:27:29

Input Set : A:\SeqList_34506110.txt

Output Set: N:\CRF3\10042001\I955639.raw

```

152 <212> TYPE: PRT
153 <213> ORGANISM: Synthetic polypeptide
155 <400> SEQUENCE: 11
157 Pro Asn Asp Lys
158 1
161 <210> SEQ ID NO: 12
162 <211> LENGTH: 4
163 <212> TYPE: PRT
164 <213> ORGANISM: Synthetic polypeptide
166 <220> FEATURE:
167 <221> NAME/KEY: MOD_RES
168 <222> LOCATION: (1)..(1)
169 <223> OTHER INFORMATION: P at position 1 is modified to contain an N-terminal acetyl
group
172 <220> FEATURE:
173 <221> NAME/KEY: MOD_RES
174 <222> LOCATION: (4)..(4)
175 <223> OTHER INFORMATION: K at position 4 is modified to contain a C-terminal 7-amino-
4-car
176 bamoylmethyl-coumarin group
179 <400> SEQUENCE: 12
181 Pro Arg Asn Lys
182 1
185 <210> SEQ ID NO: 13
186 <211> LENGTH: 4
187 <212> TYPE: PRT
188 <213> ORGANISM: Synthetic polypeptide
190 <220> FEATURE:
191 <221> NAME/KEY: MOD_RES
192 <222> LOCATION: (1)..(1)
193 <223> OTHER INFORMATION: P at position 1 is modified to include an N-terminal acetyl
group
196 <400> SEQUENCE: 13
198 Pro Arg Asn Lys
199 1
202 <210> SEQ ID NO: 14
203 <211> LENGTH: 4
204 <212> TYPE: PRT
205 <213> ORGANISM: Synthetic polypeptide
207 <220> FEATURE:
208 <221> NAME/KEY: MOD_RES
209 <222> LOCATION: (1)..(1)
210 <223> OTHER INFORMATION: P at position 1 is modified to include an N-terminal acetyl
group
213 <220> FEATURE:
214 <221> NAME/KEY: MOD_RES
215 <222> LOCATION: (4)..(4)
216 <223> OTHER INFORMATION: K at position 4 is modified to include a C-terminal
chloromethyl
217 ketone group
220 <400> SEQUENCE: 14
222 Pro Arg Asn Lys
223 1

```

226 <210> SEQ ID NO: 15

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/955,639

DATE: 10/04/2001

TIME: 17:27:29

Input Set : A:\SeqList_34506110.txt

Output Set: N:\CRF3\10042001\I955639.raw

```

227 <211> LENGTH: 4
228 <212> TYPE: PRT
229 <213> ORGANISM: Synthetic polypeptide
231 <220> FEATURE:
232 <221> NAME/KEY: MOD_RES
233 <222> LOCATION: (1)..(1)
234 <223> OTHER INFORMATION: P at position 1 is modified to include an N-terminal acetyl
group
237 <220> FEATURE:
238 <221> NAME/KEY: MOD_RES
239 <222> LOCATION: (4)..(4)
240 <223> OTHER INFORMATION: K at position 4 is modified to include a C-terminal 7-amino-
4-car
241      bamoylmethyl-coumarin group
244 <400> SEQUENCE: 15
246 Pro Arg Asn Lys
247 1
250 <210> SEQ ID NO: 16
251 <211> LENGTH: 4
252 <212> TYPE: PRT
253 <213> ORGANISM: Synthetic polypeptide
255 <220> FEATURE:
256 <221> NAME/KEY: MOD_RES
257 <222> LOCATION: (1)..(1)
258 <223> OTHER INFORMATION: P at position 1 is modified to include an N-terminal acetyl
group
261 <220> FEATURE:
262 <221> NAME/KEY: MOD_RES
263 <222> LOCATION: (4)..(4)
264 <223> OTHER INFORMATION: K at position 4 is modified to include a C-terminal 7-amino-
4-car
265      bamoylmethyl-coumarin group
268 <400> SEQUENCE: 16
270 Pro Arg Thr Lys
271 1
274 <210> SEQ ID NO: 17
275 <211> LENGTH: 4
276 <212> TYPE: PRT
277 <213> ORGANISM: Synthetic polypeptide
279 <220> FEATURE:
280 <221> NAME/KEY: MOD_RES
281 <222> LOCATION: (1)..(1)
282 <223> OTHER INFORMATION: P at position 1 is modified to include an N-terminal acetyl
group
285 <220> FEATURE:
286 <221> NAME/KEY: MOD_RES
287 <222> LOCATION: (4)..(4)
288 <223> OTHER INFORMATION: K at position 4 is modified to include a C-terminal 7-amino-
4-car
289      bamoylmethyl-coumarin group
292 <400> SEQUENCE: 17
294 Pro Arg Asn Arg
295 1

```

298 <210> SEQ ID NO: 18
299 <211> LENGTH: 4

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/955,639

DATE: 10/04/2001

TIME: 17:27:29

Input Set : A:\SeqList_34506110.txt

Output Set: N:\CRF3\10042001\I955639.raw

300 <212> TYPE: PRT
301 <213> ORGANISM: Synthetic polypeptide
303 <220> FEATURE:
304 <221> NAME/KEY: MOD_RES
305 <222> LOCATION: (1)..(1)
306 <223> OTHER INFORMATION: ACETYLATION
309 <220> FEATURE:
310 <221> NAME/KEY: MOD_RES
311 <222> LOCATION: (4)..(4)
312 <223> OTHER INFORMATION: N-METHYLATION
315 <400> SEQUENCE: 18
317 Pro Arg Asn Lys
318 1
321 <210> SEQ ID NO: 19
322 <211> LENGTH: 4
323 <212> TYPE: PRT
324 <213> ORGANISM: Synthetic polypeptide
326 <400> SEQUENCE: 19
328 Pro Arg Phe Lys
329 1
332 <210> SEQ ID NO: 20
333 <211> LENGTH: 4
334 <212> TYPE: PRT
335 <213> ORGANISM: Synthetic polypeptide
337 <400> SEQUENCE: 20
339 Ile Arg Ser Lys
340 1
343 <210> SEQ ID NO: 21
344 <211> LENGTH: 4
345 <212> TYPE: PRT
346 <213> ORGANISM: Synthetic polypeptide
348 <400> SEQUENCE: 21
350 Ser Lys Gly Arg
351 1
354 <210> SEQ ID NO: 22
355 <211> LENGTH: 4
356 <212> TYPE: PRT
357 <213> ORGANISM: Synthetic polypeptide
359 <400> SEQUENCE: 22
361 Phe Arg Thr Lys
362 1
365 <210> SEQ ID NO: 23
366 <211> LENGTH: 4
367 <212> TYPE: PRT
368 <213> ORGANISM: Synthetic polypeptide
370 <400> SEQUENCE: 23
372 Ile Lys Thr Lys
373 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/955,639

DATE: 10/04/2001

TIME: 17:27:30

Input Set : A:\SeqList_34506110.txt

Output Set: N:\CRF3\10042001\I955639.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1